

Map & Photo Legend



SE07-05 Looking north into St. James Bay.



SE07-05 Looking southwest at the Lynn Brothers Islands.



SE07-05 Looking northwest in St. James Bay.

- Free-oil Containment and Recovery, Shallow Water
- Exclusion Booming
- Diversion Booming, Fixed
- Passive Recovery and Debris Removal
- Protected-water Boom
- Calm-water Boom
- Tidal-seal Boom
- Snare Line
- Marine Recovery
- Shoreside Recover, Marine Access
- Bears in Area, Guards Needed
- Salmon Spawning Stream
- Public Use Cabin

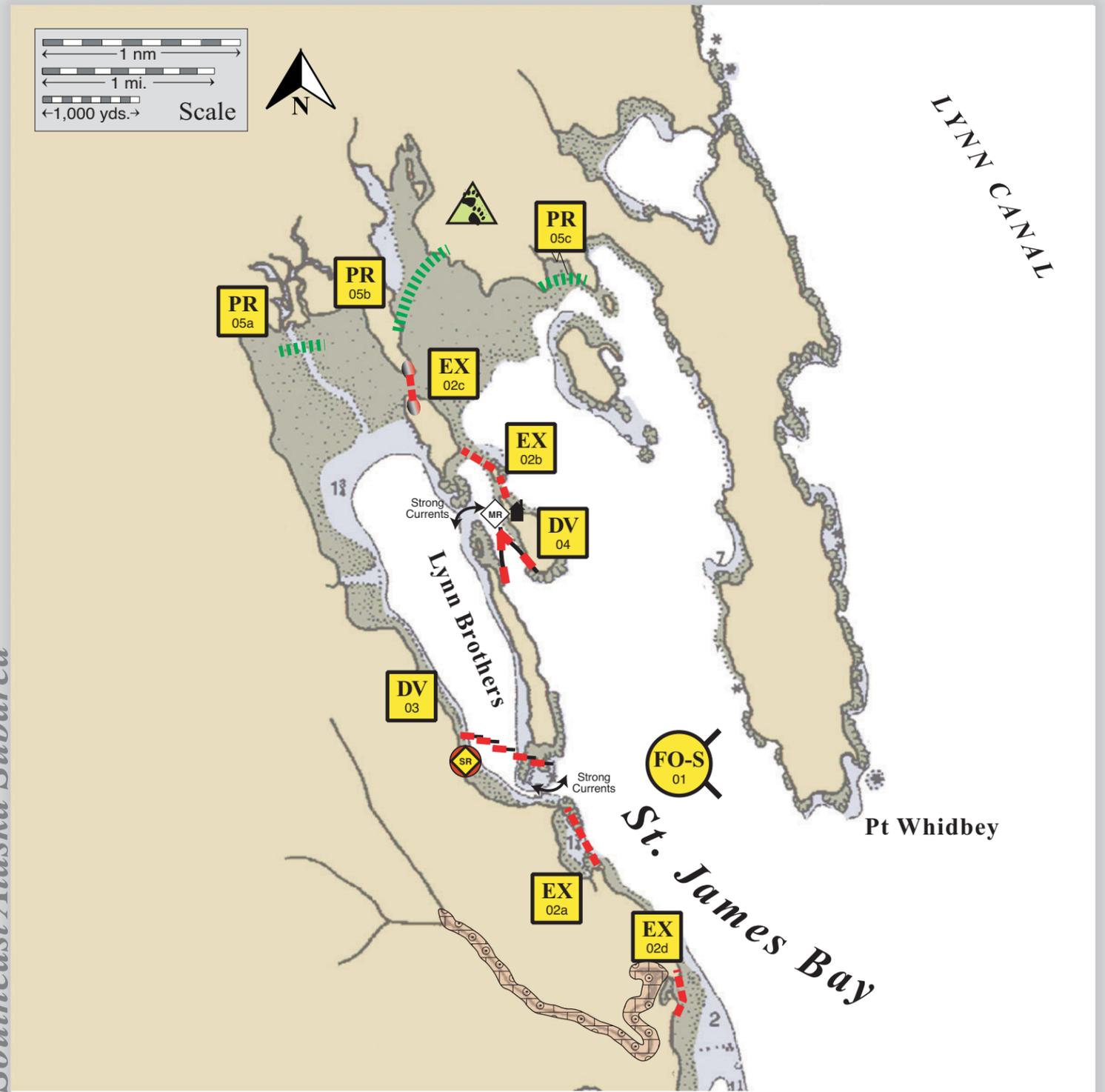


SE07-05-02d Overlooking the stream at the mouth of St. James Bay.

St. James Bay, SE07-05

Center of map at 58° 35.9' N Lat., 135° 10.7' W Lon.

Geographic Response Strategies for Southeast Alaska Subarea



This is not intended for navigational use.

Soundings in fathoms

ID	Location and Description	Response Strategy	Implementation	Response Resources	Staging Area	Site Access	Resources Protected (months)	Special Considerations
SE07-05-01	St. James Bay Nearshore waters in the general area of: Lat. 58° 35.9 N Lon. 135° 10.7 W	Free-oil Recovery-Shallow Water Maximize free-oil recovery in the offshore & nearshore environment of St. James Bay depending on spill source and trajectory.	Deploy free-oil recovery strike teams upwind and up-current of St. James Bay Use aerial surveillance to locate incoming slicks.	Multiple free-oil recovery strike teams as required to maximize interception of oil before it impacts sensitive areas.	Juneau Harbor Amalga Harbor Echo Cove Marine vessel	Same as SE07-05-02	Same as SE07-05-02	Vessel master should have local knowledge.
SE07-05-02	St. James Bay a. Lat. 58° 34.39 N Lon. 135° 10.93W b. Lat. 58° 36.35N Lon. 135° 11.76W c. Lat. 58° 36.82 N Lon. 135° 12.93W d. Lat. 58° 33.67 N Lon. 135° 09.91W	Exclusion Exclude oil from entering the west side of St. James Bay and the stream at the mouth of the Bay.	Transport equipment by vessel (class 2/3/4) from staging area. Deploy tidal-seal (on boom (c)), protected-water booms and anchors with fishing vessels and skiffs (class 3/4/6) across identified areas to exclude oil from entering the identified environmentally sensitive areas. Tend throughout the tide. <u>Boom Lengths</u> a. 1300 ft. b. 2000 ft. c. 900 ft. d. 1000 ft.	Deployment Equipment 5200 ft. protected-water boom 2 ea. 50 ft < tidal-seal boom 44 ea. anchor systems (~20 lbs.) 2 ea. anchor systems (~40 lbs.) 20 ea. anchor stakes Vessels 2 ea. class 2 (transport equipment) 2 ea. class 3/4 2 ea. class 6 Personnel/Shift 18 ea. vessel crew Tending Vessels 1 ea. class 3/4 2 ea. class 6 Personnel/Shift 5 ea. vessel crew	Same as SE07-05-01	Via marine waters Chart 17316 USFG public use cabin may be used by response crews.	Marine mammals-harbor seals Fish-intertidal salmon/trout spawning (pink, chum, coho, Dolly Varden) Birds-waterfowl and shorebird migration, molting, and winter concentration, gulls(summer) Habitat-sheltered tidal flats, marsh/estuary, kelp and eelgrass beds High recreational use (May-Sept.) Land management-State Park Terrestrial mammals-bears	Vessel master should have local knowledge. FOSC Historic Properties Specialist should INSPECT site prior to operations. See Figure G-3-14 for equipment locations. Echo Cove launch may be restricted by low tide and winter road conditions. Tested: not yet Surveyed: 4/28/03 TLR
SE07-05-03	St. James Bay Lat. 58°34.81 N Lon. 135°11.94 W	Divert / Shore side Recovery Divert oil entering behind the Lynn Brothers for shoreside recovery.	Deploy anchors and boom with skiffs and fishing vessels (class 3/4/6). Place 5 600 ft. sections of calm-water boom extending from identified point to divert oil into a collection area in St. James Bay. Establish shoreside recovery unit at a point that maximizes recovery of oil. Tend through out the tide.	Deployment Equipment 3000 ft. calm-water boom 4 ea. anchor stakes 30 ea. anchor systems (~40 lbs.) 1 ea. shoreside recovery unit Vessels, Personnel, Tending Same as SE03-05-02 plus 2 ea. response techs	Same as SE07-05-01	Same as SE07-05-02	Same as SE03-05-02	Tested: not yet Surveyed: 4/28/03 TLR
SE07-05-04	St. James Bay Anchor Locations Lat. 58° 20.20 N Lon. 134° 38.23 W	Diversion / Marine Recovery Divert oil to designated recovery vessels.	Use class 6 setnet or seine skiffs to deploy boom and set anchors. Place calm-water boom in a chevron pattern to maximize the recovery of oil between the islands. Recover oil with marine vessels at the apex.	Deployment Equipment 2400 ft. calm-water booms 6 ea. anchor systems (~40 lbs.) 4 ea. anchor stakes 1 ea. marine recovery unit Vessels, Personnel/Shift, Tending: Same as SE-07-05-02	Same as SE07-05-01	Same as SE07-05-02	Same as SE07-05-02	See Figure G-3-14 for equipment locations. Tested: not yet Surveyed: 4/28/03 TLR
SE07-05-05	St. James Bay Tidal Flats a. Lat. 58° 39.95 N Lon. 135°13.62 W b. Lat. 58° 37.35 N Lon. 135°12.42W c. Lat. 58° 37.35 N Lon. 135°11.13 W	Passive Recovery Use passive recovery as dictated by conditions to minimize impact to the tidal flats.	Place snare line or sorbent boom across the entrance to the tidal flats. Anchor with stakes. Replace as necessary to maximize recovery of oil. <u>Boom Lengths</u> a. 2200 ft. b. 1200 ft.	Deployment Equipment 3400 ft of snare line or sorbent boom 42 ea. anchor stakes Vessels, Personnel/Shift, Tending: Same as SE-07-05-02	Same as SE07-05-01	Same as SE07-05-02	Same as SE07-05-02	Use snare line for persistent oils and sorbent boom for non-persistent oils. Bears in area. Tested: not yet Surveyed: 4/28/03 TLR